



Table 1, cont'd

M8771	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)	OMIM - FIBROBLAST GROWTH FACTOR RECEPTOR 2; FGFR2
M96995	growth factor receptor-bound protein 2	OMIM - GROWTH FACTOR RECEPTOR-BOUND PROTEIN 2; GRB2
U09759	mitogen-activated protein kinase 9	OMIM - MITOGEN-ACTIVATED PROTEIN KINASE 9; MAPK9
U24152	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)	OMIM - p21/CDC42/RAC1-ACTIVATED KINASE 1; PAK1
U49857	transcriptional activator of the c-fos promoter	OMIM - NEUROTROPHIC TYROSINE KINASE, RECEPTOR, TYPE 2; NTRK2
W28432	Cluster Incl. W28432:47f2 Homo sapiens cDNA /gb=W28432 /gi=1308443 /ug=Hs.92030 /len=921	OMIM - PROTEIN KINASE C, BETA-1; PRKCB1
X07109	protein kinase C, beta 1	OMIM - INOSITOL 1,4,5-TRISPHOSPHATE 3-KINASE A; ITPKA
X54938	inositol 1,4,5-trisphosphate 3-kinase A	OMIM - FIBROBLAST GROWTH FACTOR RECEPTOR 2; FGFR2
Z71929	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)	
GenBank Accession #	Anticg BP Description	Symbol
NM_004794	RAB33A, member RAS oncogene family	RAB33A
NM_002844	protein tyrosine phosphatase, receptor type, K	PTPRK
M14752	M14752 HUMABLA Human c-abl gene [GenBank=M14752]	ABL1
NM_005252	v-fos FBJ murine osteosarcoma viral oncogene homolog	FOS
NM_002229	jun B proto-oncogene	JUNB
NM_014813	KIAA0806 gene product	KIAA0806
AB007943	AB007943:Homo sapiens mRNA for KIAA0474 protein [GenBank=AB007943]	RAP1GA1
NM_004067	chimerin (chimaerin) 2	CHN2

Table 1, cont'd.

NM_003676	degenerative spermatocyte homolog, lipid desaturase (Drosophila)	DEGS
NM_000830	glutamate receptor, ionotropic, kainate 1	GRIK1
NM_002487	necdin homolog (mouse)	NDN
NM_002921	retinal G protein coupled receptor	RGR
NM_001390	dystrobrevin, alpha	DTNA
NM_006000	tubulin, alpha 1 (testis specific)	TUBA1
NM_001634	S-adenosylmethionine decarboxylase 1	AMD1
NM_006931	solute carrier family 2 (facilitated glucose transporter), member 3	SLC2A3
NM_003832	phosphoserine phosphatase-like	PSPHL
NM_005010	neuronal cell adhesion molecule	NRCAM
NM_002073	guanine nucleotide binding protein (G protein), alpha z polypeptide	GNAZ
L24123	L24123:Homo sapiens NRF1 protein (NR F1) mRNA /cds=UNKNOWN /gb=L24123 /gi=438646 /ug=Hs.83469 /len=4992 [GenBank=L24123	NFE2L1
NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5	GABRA5
NM_005398	protein phosphatase 1, regulatory (inhibitory) subunit 3C	PPP1R3C
AI526089	AI526089:DU3.2-7.H07.r Homo sapiens cDNA [GenBank=AI526089	COX5B
NM_000840	glutamate receptor, metabotropic 3	GRM3
NM_012249	ras-like protein TC10	TC10
NM_004791	integrin, beta-like 1 (with EGF-like repeat domains)	ITGBL1
NM_000615	neural cell adhesion molecule 1	NCAM1
NM_003916	adaptor-related protein complex 1, sigma 2 subunit	AP1S2
NM_001406	ephrin-B3	EFNB3
NM_001718	bone morphogenetic protein 6	BMP6
X66358	X66358 cds#2 HSSTHPKB H.sapiens mRNA KIAALRE for serine/threonine protein kinase [GenBank=X66358	CDKL1

Table 1, cont'd.

D00654	DLPC-BP	actin, gamma 2, smooth muscle, enteric	ACTG2
U19599	U19599	U19599 HSU19599 Human (BAX delta) m	BAX
NM_006908	RNA [GenBank=U19599	ras-related C3 botulinum toxin substrate 1	RAC1
	(rho family, small GTP binding protein Ra		
	c1)		
NM_002374	microtubule-associated protein 2	MAP2	
AJ001612	phosphoserine phosphatase-like	PSPHL	
NM_000293	phosphorylase kinase, beta	PHKB	
NM_020217	hypothetical protein DKFZp547I014	DKFZp547	
		I014	
NM_004379	cAMP responsive element binding protein	CREB1	
	1		
NM_032041	neurocalcin delta	NCALD	
NM_015716	Misshapen/NIK-related kinase	MINK	
AF059274	Homo sapiens cDNA FLJ37320 fis, clone	CSPG5	
	BRAMY2018106		
NM_006158	neurofilament, light polypeptide 68kDa	NEFL	
NM_002730	protein kinase, cAMP-dependent, catalytic	PRKACA	
	, alpha		
NM_003885	cyclin-dependent kinase 5, regulatory sub	CDK5R1	
	unit 1 (p35)		
NM_003020	Secretory granule, neuroendocrine protein		
	1 (SGNE1)(7B2 protein) located at chrom		
	osome band 15q13		

**TABLE 2**

NM1964	Early growth response protein 1 (EGR1)
NM599	human Insulin-like growth factor binding protein 5 (IGFBP5)
M87771	Fibroblast growth factor receptor k-sam, Splice 3 (k-sam-III)
Z24725	H sapiens Mitogen-inducible gene (mig-2)
M64347	human Novel growth factor receptor (FGFR3)
M80634	human Keratinocyte growth factor receptor (FGFR2)
Z14228	Nuclear mitotic apparatus protein 1, Alt. Splice Form 2 (NuMA Clone U4)
X67951	human Proliferation-associated gene (PAGA)
AF036268	SH3-domain GRB2-like 2
AF060877	regulator of G-protein signalling 20
AL049538	ras association (RalGDS/AF-6) domain containing protein JC265
D14838	fibroblast growth factor 9 (glia-activating factor)
D26070	inositol 1,4,5-triphosphate receptor, type 1
J02902	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform
J04513	fibroblast growth factor 2 (basic)
L05624	mitogen-activated protein kinase kinase 1
M64788	RAP1, GTPase activating protein 1
M87771	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon s yndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)
M96995	growth factor receptor-bound protein 2
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NM_014813	KIAA0806 gene product
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Table 2, cont c1

NM_004067	chimerin (chimaerin) 2	
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NM_001718	bone morphogenetic protein 6	
X66358	X66358 cds#2 HSSTHPKB H.sapiens mRNA KIAALRE for serine/threonine protein kinase [GenBank==X66358	
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NM_002374	microtubule-associated protein 2	
AJ001612	phosphoserine phosphatase-like	
NM_000293	phosphorylase kinase, beta	
NM_020217	hypothetical protein DKFZp5471014	
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NM_032041	neurocalcin delta	
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AF059274	Homo sapiens cDNA FLJ37320 fis, clone BRAMY2018106	
NM_006158	neurofilament, light polypeptide 68kDa	

Table 2, cont'd

NM\_002730 protein kinase, cAMP-dependent, catalytic, alpha  
NM\_003885 cyclin-dependent kinase 5, regulatory subunit 1 (p35)

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Table 3

Acc.	Disorder/Region	Descripti n	Numb.
U65090	MD DLPFC	carboxypeptidase D	
A1207842		prostaglandin D2 synthase (21kD, brain)	
D83017		NEL-like 1 (chicken)	
X79067		zinc finger protein 36, C3H type-like 1	
X15331		phosphoribosyl pyrophosphate synthetase 1	
D26443	MD AnCng	solute carrier family 1 (glial high affinity glutamate transporter), member 3	
M20470		clathrin, light polypeptide (Lcb)	
X05236		aldolase A, fructose-bisphosphate	
X04741		ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	
X03484	BP AnCng	v-rat-1 murine leukemia viral oncogene homolog 1	
A1526089		cytochrome c oxidase subunit Vb	
D44466		proteasome (prosome, macropain) 26S subunit, non-ATPase, 1	
X56468		tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	
L13740		nuclear receptor subfamily 4, group A, member 1	
AF026547		chondroitin sulfate proteoglycan 3 (neurocan)	
AJ002962	BP DLPFC	fatty acid binding protein 7, brain	
U65090		carboxypeptidase D	



Table 4: Summary

Genbank Accession No.	AnCg BP	AnCg MD	DLPFC BP	DLPFC MD	CB BP	CB MD	flags
D50310		up			up		1
L08485			up				1, 2, 3
U28964					up		1
AF016917				up		up	1, 3
L19182				down			1
AJ001612		up		up	down	up	1, 3
U66879				up			1
J04046		up					1
X63575		up		up	up		1, 3
S74445				up			1, 2, 3
X71490	up		up	up	up		1
AF112471		up		up			1, 2, 3
AB006626		up					1
U37143		down		down			1, 3
AC004131	up	down	up	down		down	1
M29273		down	up	down			1, 2
X76220	up		up				1, 2
M12267			up				3
AF060877		down		down		down	1
AB018305				down			1, 2
U58334		down		down		down	1
AB020629	up	down	up	down			1, 3
U37122		down		down			1, 3
AL080061		down		down	down	down	1, 3
M34309		down		down			1
M80634		down		down			1
M64347		down		down			1
X57206		down		down		down	1, 3
X77196		down		down			1, 3
Z24725		down		down		down	1
AB018342		down		down			1, 3
Y10275			down			up	1, 3
AB007943	down						1
AL049538		down		down		down	1

Table 4, cont'd

M14758			down	down		down	3
X13839			down	down			3
X63432			up		up		3
X04098	up		up		up		3
AF006082	up					down	3
D67031		down		down		down	3
L22214			up				3
J03473			up				3
AJ236876	up	up		up			
AF072902		up		up			
U84011				down	up	down	
K02215	up					up	
A1800578		down		down		down	
AL049954				down			
R59606		down		down			
M80899		down		down			2, 3
U00957				up	up		
AA114830			up				
U81607			up				3
M90360	down		down				3
X15414	up		up				
U05861			up				
D17793		down		down			3
K03000				down		down	2
U46689						down	3
U24267	down		up	down			
M93405		down	down	down			3
U34252	up		up				3
X05236	up	up	up		up	up	
M21154	up		up		up		3
W63793			up				3
M63175			up		up		
AB028994		down		down			
U29926				down			
X81438	up	up	up	up			3
D14662		down		down		down	3
AF091077	down						3

Table 4 cont'd

X97074	up		up		up		up		2
D38293	up		up		up		up		3
J02611							down	down	
M12529			down		up		down	down	3
D86981									3
U41518							down	down	2, 3
U34846			down				down	up	2
D87468			down						2, 3
L04510					up				3
AF049884			up				down	down	
U02570							down		
AB002292									3
U50523			up						3
AI525393	up						up		2, 3
AF006087	up								3
AF006088					up				
Z11501							up		
L08424			down				down		3
M27396			up		up				3
S67156			down				down		
AL096842			down				down		
AB018258							down		
J05096			down				down	down	2
M37457								up	2
W28508							down	up	
AF007876			down				down		
J04027								up	2, 3
L20977							up		3
W28589	up						up		3
AJ010953	up								2
D14710	up						up		3
U09813			up		up				3
AF087135			up		up				3
AA845575			up		up				3
AF047436			up		up				3
AA917672					up				3
X83218			up		up				3

Table 4 cont'd

DI6469	up	up								3
AL049929		up		up						3
D89052	up			up						3
AI318615				down						3
AI547262				up						3
AA056747				up						3
L09235		up			up				up	3
AA877795		up		up						2
X76228	up	up		up						3
W26326				up					up	
X79888				up						2
X66030					down					
M76125					down					
S82297		down			down					
AB021288		down			down					
V00567		down			down				down	
AF029893	up	up		up						3
AF082868		down			down					3
U50708					down					
U00115					down				down	
AL049257				up	down				down	
AB004066		down			down				down	
AF001383	up			up						2, 3
U68485	up									2, 3
AF002697				up				up		3
S78771	up				up			up	up	3
AC005306				down						
AB023169				up				up		
U72649		down			down				down	2
AF047472	up								down	
AB023171	up	down							down	
X94910	up	up		up					up	3
AF054175		up								3
AF014837				down						
AF009425				down				down	down	
X95592				up						2, 3
AB007948	up	up			up					

Table 4 cont'd

D86062	up							3
AL080097		down					down	
AF006621		up	up			down		3
J03037		down	up			down		3
U79666			down					3
M76559						up		2
S60415		up						3
AF068862	up		up			up	up	2
U12022		up				up	up	
D45887	up						up	
AB020640		up				up	up	2
U02390						up	up	
U02390						up		
U02390						down		
X85030		down						2
U20325			up					
AB002376		up					down	
AL035079	up		up					
AF070648		down				down		
L10822	up					up		
AF091433						down		
AF026166	up		up					3
X74801	up		up					3
AF026292	up							3
X69398	up					up		
M38690			up			down	down	
AF023158		down						
M37712						down		
AL031282	up						down	
M35543		up	up				down	
W27541		down				down		
U59325		up				up		
AF006484		down				down		3
X66364						up		2
L04658	up	up				up		
X77743	up		up					3
X66358						up		

Table 4 cont'd

U22398		down		down		down		down	
M16965				up		up		up	
W27184				up		up		up	
U65887	down								3
U60808	down								3
AI056696			up						3
U78516	down								3
AL080084	up		up						
AA189161	up		up					down	3
AB023203	down								2
U03749		up							
Y00064		up			up				2
U07223	up								
X70297			up						
W29042			up						3
D49738			up						3
Z30644			up						3
U89916		down	down		down			down	
M59287		down			down			down	
M59287		down			down				
AF039704			up						
X91788	up								3
M20469	up	up			up				3
M20470	up	up			up		up		3
AB020709			up		up				2, 3
S80562					down				2, 3
D13146	up		up						
M19650	up								3
Z21488					up		up		
AB020675		up							
AB014533	up						down	down	
M92642					down				
M58526		down			down				
U65928	up	up							3
AA149486	up	up	up						3
M22760		up							3
M19961		up							3

Table 4, cont'd

AI526089	up	up	up	up				3
T57872	up	up	up					3
AA152406	down							3
AA978033		up	up					3
AB007618		up	up					3
N50520		up	up				down	3
U65090			up					
X51405			up					
S74445				up				2, 3
M27691	down							2
S68271	up		up			up		3
D10656	up							3
U49857		down	down		down		down	
U49857		down	down		down			
AL038340	up		up					
AL038340	up		up					
AF039397	up		up					3
AF053641	up							
M27826			down					
U89896			down			up	up	3
D32039				down		up		
X15998				down				
X15998				down				
AF026547			down	down			down	2
M33146				down				
L22569			up			up		3
X16832				down				
Y07593	up		up			up		3
L06797			down				down	
L47738			up		up			3
M33318	down							
Y11307				down		down	down	
M98529	up		up		up	up	up	
AB002379			down		down		down	3
D15057								
AL050152			up				down	
D31767			up					3

Table 4 cont'd

AL050084					down		down	3
AB002367							down	
AF086947		up			up			3
U50733	up	up			up			
W26651	up	up			up			
U48705					down			
L20817		down			down			
U59321					down	up		
AF000982				up				
AF007142					down		down	3
U63825	up	up						3
AF021819				up				
AL080115				up			down	
AL049944	up			up				
AL049934		down			down		down	
AL050390		up		up				
AL050272	up	up			down			
AL050159		down						
L08069	up	up		up	up			
L08069	up	up		up				2, 3
AI810807		up						3
AI540958				up				3
AF000430	up				up	up	down	3
D50857		down			down			3
AF007875				up				
U97105				up				3
M97388				up				
D83407	up	up		up				3
S65738				up				3
U26742				down				3
U46744		down				up		
U84551		down				up		3
U46746		down						3
X68277		down					down	
L05147					up			3
AB013382					down			3
U31930				up				



Table 4 cont'd

U46461				down					3
D86550				up					2, 3
M91670	up				up				
M91670	up				up				
AL050282	up		up						
M31210			down						
D13168					down				3
X70940			up	up		up		up	
AB023159	up		up	up	down				
U03877			down						3
U66406	up		up						
AB011542				up					
L18960	down								3
AF035280				up					3
U36764	up								3
U39067	up			up	up				3
U94855			up	up					3
U54558	up						down		
AC002544				down			up		3
D13748	up								2, 3
L36055				down			up		
U49436			up						
AL080199			down		down				
C18655					down				
AB002303			down						2
X51956	up		up						2, 3
L35594			down	up	down			down	2, 3
L35594			down	up	down			down	2
D45421	down								
AF103905					down				3
U81984				down					
D83492			up		up				
U12535					down				
M34309			down				down		3
X81625	up			up				down	3
J04058				up					3
AB028990				up					



Table 4 cont'd

X15376									3
D86181	up							down	
S68805									
D00723				up				down	3
Y13286	up			up					3
S40719		down			down			down	3
D87467				up					
M65188		down							3
X52947		down			down			down	3
M57609			down		down				3
U33267	up	up		up					3
X76648		up							
AB020645		up		up					2, 3
U08997	up	down							
U08997		down							
X59834		down			down			down	3
U43083	up				up				3
D90150	up	up							
AF017656			up	up	up				3
A1238764			up						
AL049367					down				
AB020662	down	down			down			down	3
AF047438	down								3
M22632		up		up					3
AF016004		down		up	down			down	3
D38449					up				
U87460	up	down		up	down			down	
AJ011001					down				
X71973		up							2, 3
W28944	up			up					3
M81886	up					up			3
U10301					up				3
X82068	up								3
L19058	down								
S40369					up			up	
X77748	up			up					2, 3
D87119		down			down			down	3

Table 4 cont'd

D87119		down		down		down	3
X04412	up	down	up	down	down	down	3
M16594	down				down		
J05459				up			2, 3
U90313	up	up	up				3
M95809			up				3
X03473				up			
D64142				up			
D64142				up			
L19779				up			3
M37583		up	up				
H15872			up		up	up	
AA255502	up						
M25079	down		down	down			
L48215	down			down	down	down	
AF019214				down			
AF029890	up	up	up				3
U31814			up			down	
AL034374		down	up	down		down	3
AI391567			down				3
U51004		up					3
AB014555		down					
X58536		down		down			
M32578				down			3
U23803			up				
X12671			up				3
M16342			up				3
D89678			up				3
U01923			up				3
W27191			down				2
X92814			up				
X99209	up						3
AF068754			up				
M11717		down			down	down	
L26336	up	up	up	up	up		
L26336	up	up	up	up	up		
L26336	up	down	up	down		down	

Table 4 cont'd

L26336	up			down					2
L12723	up								3
X87949					up				
X13794	up	up							
Y00371	up	up		up					2, 3
L15189	up				up				
AL021937					up				3
X15183					up				
J04988	up	up		up					
W28616					up				3
M22382					up				2, 3
A1912041					up				2, 3
X57830		up							3
AI434146				down					
AF012023				up				down	
X77956					down				
AL022726					down				
U49283	up	up			up				3
AA522698	up	up			up				3
X17025					up				
U66042		up			up				3
M24594	up								
X16302		up			up				2
AB017563					down				3
L42572						up			
U26398					up		up		3
X77567					up		up	up	2
U96876									
X53586					down			down	2
X07979					down				
AL021786					down				
AA477898	up						up		
X54938	up	up			up		up		3
U23850		up					up		3
AB016492	up								
J04111	up								
X51345			down		down			down	

Table 4 cont'd

AF070523									
D79994			down	up	down			down	
L02840	down								3
U52155			down						3
U39196						up			
Y15065			up						3
D26067				up					3
D31887				up					3
D14663				up					3
AL049250	down		down	down					
D87074			up					down	
D87443	up							down	3
D87445									
AB002347				up					
AB002361	up								3
AB007903				up					
AB007963					down			down	
AB011095					down		down		
AB014526			down						
AB014544			down		down		down	down	
AB018335			down						
AB020637				up				down	
AB020661					down				
AB023152	up								
AB023209			down		down				3
AB023230			down						
AB028972	up		up				up		3
AB028977	down								
AB029034						down		down	
AF070621				up					3
Y08319	up								3
AB002357				up					3
AF035621	up		up				up		3
U59919				up					3
AJ001685			down				down		
J04182	up			up				down	3
U36336			down	up			down	down	3

Table 4 cont'd

Y11395	up			up				down	2
AL050126				down					3
M90424									3
X02152	up	up							
X13794				up					
A1535946	up	up		up					3
D55696	up								2
AF087693				up				down	3
X76488	up			up					3
U41060				up			down		
X61118									
U79297	up			up					2
AL039458		down							
AB011540									
M63959	up	up		up			up		3
M92439	up	up		up					3
AB012293	up	up							
W26633	up			up				down	3
U03100	up			up				down	3
U03100	up								3
D55649	up			up					3
AA420624					down				
U01828					up		up		
U89330					up		up		3
S76756	down								
L05624	up	up			up				3
U17743	up				up		up		3
U71087					up		up		3
Z11695	up				up		up		2, 3
X14474									
X66867				down					
AF072250	up							down	
D84557	up							down	
X79440		up							3
S57212									
AW006742	down	down		down		up			
A1674208		down	down				up		

Table 4 con't'd

AI674208		down			up	down	up		
AF038186					up				
W26659					up		up		
AB014579					up	down			2
M16279						down			
D25217									3
AI127424		up			down				
AF001359					up	down	down		3
X70326		down			down			down	
AF041080	down				up				
AI670788		up			up	down			
Z48051					up				3
U64565		down			up				2, 3
D14812					up				3
AI597616		up			up	up	up		3
Y11681	up	up			up				3
AL050361					up				
Z98946						down			2
AI547258		down			down			down	3
AF072928	up				up				
M55405	down				down				2
AF001548	down				down	down			2, 3
AF013570					down	down			2
AF001548	down				down	down			2, 3
D10667					down				2, 3
D10667					down				3
J02854	down				down				3
AF020267						down		down	
AB029029		up			up				3
U42349	up	up			up				3
AF052142	up	up			up				3
AA126505	up							down	2
X77548									
AF044209		up				up			2, 3
U35139	up	up			up	down		down	
D87953									3
AF047185		up							



Table 4 cont'd

AC002400	up		up		up				
AI345944			up						3
AA203354					up				2, 3
AF047181	up				up	up			3
AA527880	up								3
AA760866					up				3
AF050640	up				up				3
AI541336			up						3
AC005329	up				up				
AF053070	up		up		up	up			3
Y16241			down			down			
D63878			down						down
D23662			up						
X05608			up		up		up		
D83017			up		up			up	3
W27762	down				down				3
X64318					up				3
Z83840	up		up		up	up			
AB023192	up		up		up	up			3
AF019415			down			down			
AF019415			down			down			
X17620			up						2, 3
X73066	up		up		up				2, 3
AL038662			up						2, 3
X58965			up						2, 3
M86707			up						2
AI816034	up		up		up				
U97669	down							down	
W28770	up		up		up				3
AF002020	up							down	3
AF002020	up		down			down		down	3
AJ132583	up				up				3
U61849	up		up		up	up	up	up	2, 3
AI198311	up								2, 3
L13740	down		down		down	down	down	down	
L13740	down		down		down	down	down	down	
AB002341					up				2



Table 4 cont'd

AB007946		up			down			
S41458		down			down		down	3
AF056490								3
L42451	up				up	up		
X98248		up			down	down	down	2
AB002345							down	3
AF093670			up					3
U41816	down							3
AL096719			up			up		2, 3
V00572		up						2, 3
M83088	up			up				
X84908				up			down	3
U45976				up				
AF010312	up	down		up	down		down	
AL120815	up		up		down			3
Z29090	down							3
U81802	up					up	up	
U49070	up	up			up			
W28299	up	up			up			
AL050371					up			
D30037					down			
U03090					up		up	3
U60644		up						3
U84573		down					down	3
M54927		down	up		down		down	3
M22299			up					
X57398	up	up	up		up	up		3
D11428	up	down	up		down		down	
AF001601		down			down		down	
AL050161		down			down			2
AF017786		down			down	up		3
AF016371	up					down		3
AF001691		up			down			
Y18207		down						
Y18207		down						
N36638		down			down		down	3
Z50749		up						3

Table 4 cont'd

J02902									
J02902		up							
M64929	up			up					
M64929				up					2
M29551		up							
X89416	up				up				3
U44772									3
AB014512	down								2
X67951				up					
L19185	up			up					
U25182	up			up					3
M33336				up		up			3
M33336				up		up			
M33336				up					3
X07109		up			up				3
X06318		up			up				3
Z15108		up			up				2
U29185				up				up	
AB011124		up				up			3
X15331	up				up			down	
D87258		down			down			down	
D87258		down			down				3
J03077	up			up					3
M85169	up			up				down	3
L76517	up			up					3
D00760				up					2,3
D00762	up			up					3
D00761	up			up					3
D26598	up								2,3
D26600	up			up					3
D26600	up			up					3
D29011	up			up					2
D29012	up								3
D38048	up			up					3
AF035309		up							
D44466	up			up					2,3
AL031177	up			up					

Table 4 cont'd

AB009398	up						2, 3
D78151	up						3
U51007		up					
D50063			up				3
D38047	up	up					3
D38047	up						3
AJ001612	down	up	down		down	up	3
D14694	up						
M98539		down			down	down	
AI207842		down				down	3
AI207842		down			down		3
U33284					up		
M14630					down		
M57399		down			down		2, 3
M57399	down	down			down		2, 3
X54131		down					
L77886	up						
Z48541	up				up		2
D64053	up						
M93426		down			down	down	2, 3
X63578						up	2
Z48054	down						3
AL031781		down					
AL031781		down			down	down	
AI540957				up			3
AF052113	up			up			3
M28209	up			up			3
AL050268				up			3
AL050268				up			3
U59877	down				down		3
AI189226		down			down		
D14889	up			up			3
D14889	up			up	up		3
M28212	up					up	3
AJ133534	up			up			3
X98001				up			
D25274				up			

Table 4 cont'd

U41654			up				2, 3
M35416			up				
M31469	up	up	up	up	up		
M31469	up	up	up	up	up		3
AF054183	up	up	up				
X63465	up		up				
X63465			up				3
S80343	up						
D79990				down	down	down	
U28686	down	down		down	down	down	
U89505	up		up				
U23946	up						
M11433				down			3
X00129	up	up		up			3
N92548		down		down			
AW044624	up						3
U27768				up			2, 3
U78166		up	up				3
D26129	up		up	down		down	
AF037204			up			down	3
X13973	up		up				
M63488	up			up	up		
D87735		up					2, 3
X55954	up	up					3
AI708983		up	up				3
X57958			up				3
Y00281	up		up				2, 3
AL031659	up		up				
AA977163	up	up	up				3
M13932		up					3
AI526078		up					3
D14530	up						3
S79522		up					3
X55715	up		up				3
M84711		up	up			up	2, 3
Y11651			up				3
LI0333	up	up	up				2, 3

Table 4 cont'd

AB020693			up		up				
M84820					up				
AL049940	up		up					down	
AJ001515					down				
AB020658			up						3
X91257	up	up	up		up				
M55580		down			down				
AF051323	up	up			up				3
D12676	up						up	down	2
M25756			up						3
AF070614			up						3
L10338	down								2, 3
AF049498	up	up			up			up	
AB011178		down			down			down	
AB007937					down		down		
AB015345	up	up			up		up		3
X97064									3
AJ131245			up						3
AF055006			up						3
AF054184	up								2, 3
U73167		up			down				
AB000220			up						
AB002438		down			down			down	
Z11793					down				
D86957		down			down			down	3
AI743134		down			down			down	
Z81326			up						3
D28423	up						up		
AL031681	up							down	
L41887								down	
Y00757		up	up						2
AF036268		up	up		up				3
AB007960		down			down				
U33760	up	up	up				up		
W26700		up					up		
U08989					up		up		3
U01824		down			down		down		3

Table 4 cont'd

W28850		down					3
D26443		down				down	3
H10201					down		
X60036				up			3
M20681	up	up					3
AF007216		down			down	down	2, 3
AF011390		down				up	2, 3
AF015926		down			down		3
D86959			up			down	
U96094	up					up	3
D80000			up			down	2, 3
X59960	up		up				3
AF053136		up			up		2
AL049650	up	up					
AA733050	up	up					
U40571					down		3
AF034546			up				3
X02317			up				3
X63753			up			down	3
AJ001183					down		2
Z46629		down				down	
AB011088	down						
J03040					down	down	
J04765	up		up				
AF052124	up		up			down	
AF039843		down			down	down	
Y08685			up			down	3
D78130			up				3
M32313					up		2
M32886		down			down		3
U88666			up				3
J00306	up						2
AI636761	up						2, 3
AB011107		down			down	down	
L78440		up			up		
U04735	up		up		up	up	
M86752					up	up	



Table 4 cont'd.

X99325	up	up	up	up	up	up	down	2, 3
AF099989					up		down	3
M31303					up			2
X85116						down	down	
AL035306				up			down	3
U77942							down	2
D63506						down	down	
U34804			up					3
U40215	up	up	up	up	up	up		2
AF039945			down					
U93305			up		up			3
X68194			down	up	down		down	
D38522				up				3
U18062	up			up				
M95787	down			down				
AF010400	up			up				3
AL050265				up				
AL050107					down		down	2
D50495	up							
M80627			down		down		down	
D15050			down		down		down	
U19969	down						down	3
X52882			up					
U49188			up	up				
L24804				up				3
X75861				up				3
W28869	up					up		
L06139			down		down		down	
X93512					up	up		
S95936	up			up	down		down	3
M55153				down				3
L12350					down			
L12350			down		down			
AJ133115			down		down			
M24748					up			
X97544	up			up				3
X97544				up				3

Table 4 cont'd

L27476					down		down	
AB028950					down		down	3
AI688299		down		up	down		down	3
R16035	up							3
U81006				up				
M92383		up			down		down	
D38305								3
D13641		up						3
U09477	up							3
M12125			down		down			3
M12125			down					3
U12595	up							
X00437	down		down					3
AB011089			up					3
AF084260			up					
AJ133769				up	up			3
X89066	up				up	down	up	
AF042181								
AF001294			up		down			
AF035283		down			up			2
X06956	up	up						
X06956	up	up		up				
AF005392	up	up		up				3
X01703	up			up	down		down	
AF035316							down	3
X02344	up							
U47634	up				up			3
X00734	up							
S75463	up						down	
D17517			up					
U18934			up					2
AI310002		up			up		up	
AF075599								3
U67122			up					
X04741	up	up						
U27460		up						3
U30930		down		up	down			

Table 4 cont'd

J00153	down	down	down	down	down			
AL049423				down	down			
AF052148	down		down					
AL022101	up		up			up		
AL118582					down		down	
AI095508						up		2
W28612		down			down		down	
AL049378	down		down					
AI700633		down	up	down				
AF070536	down		down					
AF052119		up	up		up			
AL080113			up					
AL049265		down						
AL049390					down		down	
AF070577		up	up					2
AI827895					down		down	
X95677					up	up		
AL080093			up					
AL049969		down			down		down	
AF052141		up	up		up			
L27560					down			
W27522			up					
AL022718	up						down	
AJ005694			down					3
AL120687					up	up		
AL046322	up				up			
AW043812			down					
H12054					up			
AC003007		up			up			
J03071	down				down			
M57417	down					down	down	
M33764	up							
M58028	up							
X74262	up							
U19796	up							
U22028	down							
X79568			down					

Table 4 cont'd.

M55914	up						
M21154	up						
M10905				down			
U33429				up			
AB014539				down			
X63432			up			up	
X56841				down			
Y00067			up				
AF007140	up						
X13839			down		down		
AF023268			up				
AF053356	down						
U37122		down			down		
AB000450	up						
A1126004			up				
AF002668	up						
X54304					down		
U57843	down						
X02344	up						
X04098	up		up			up	
U96074	up						
D32053	up		up				
U59632			down				
X14346	down						
Z98046	up						
AL096737					down		
AB014598					down		
U17886			up				
AI986201			up				
AL080181					down		
AB014514	up						
R92331					down		
U24183			up				
D00860							
U09510	up						
AI635895			up				
U66033					down		

Table 4 cont'd

U51334							
AF020762			up	down			
U24105				up			
M36820				down			
U59912				up			
X63368	up						
AF047863				up			
U11861	up						
AL080122			up				
M14648				down			
Y14153				up			
X81637	down						
M88108			up				
AF042384	up						
AA704137				up			
AB011156	up						
A1862521	up						
AF047469				up			
AF025887			up				
AF091085	up						
AL035494			up				
A1540925	down						
D32129				down			
AB028972	up						
AF091071				up			
AL040137				down			
X15187	up						
U48730	down						
L08488	up						
K03460	up						
AF005361				up			
M95585				up			
M91670	up						

Table 5: RT-PCR Confirmation

Gene Bank Acc. No.	Gene Name	AnCg BP	AnCg MD	DLFC BP	DLFC MD
AB020629	ABCA8				down
U37122	ADD3				down
X63575	ATP2B2			down	
X71490	ATP6V0D1		up		
U66879	BAD	down			
J04046	CALM3			up	
AF112471	CAMK2B		up		
D50310	CCNI	up			down
AL080061	CLIC4				up
S74445	CRABP1		up		down
U37143	CYP2J2		down		down
M34309	ERBB3				down
M80634	FGFR2				down
M64347	FGFR3				down
L08485	GABRA5	up			
AF016917	GABRD	down		down	
AC004131	GPRC5B		down		down
AB006626	HDAC4		up		
L19182	IGFBP7	down		down	
X57206	ITPKB				down
X77196	LAMP2				down
M29273	MAG		down		down
X76220	MAL		down		down
Z24725	MIG2				down
AB018342	MYO10				down
M12267	OAT		down		down
Y10275	PSPH				down
AJ001612	PSPHL	down		down	
AB007943	RAP1GA1				down
AF060877	RGS20		down		down
AL049538	RIN2				down
AB018305	SPON1		down		down
U58334	TP53BP2		down		down
U28964	YWHAZ	up			

Table 6: Summary of Anti-Depressant Treatment Data

Genbank Accession No.	Gene Name	SSvDS	SSvFS	SNvDN	SNvFN	SNvSS
M80899	AHNAK			down		down
K03000	ALDH1A1	down			down	
X97074	AP2S1	down				
U34846	AQP4	down		down	up	
D87468	ARC	up		down	down	down
L04510	ARFD1	down				
AF006087	ARPC4					down
J05096	ATP1A2	down				
M37457	ATP1A3	down		down		up
J04027	ATP2B1	up				
AJ010953	ATP2C1	down				
AA877795	ATP6V1D	down				
X79888	AUH	down				
AF001383	BIN1	down				
U68485	BIN1	down				
U72649	BTG2	up				
X95592	C1D	down				
M76559	CACNA2D1	up				
AF068862	CALB1	down		down		
AF112471	CAMK2B	down				
U02390	CAP2	down		down	up	
U20325	CART	down			up	
X66364	CDK5	down				up
U03749	CHGA					down
U07223	CHN2				down	
AB020709	CNK2	down				
S80562	CNN3	down				
S74445	CRABP1	up				
S74445	CRABP1	up				
M27691	CREB1					up
M33146	CSRP1	down				
AI810807	DNC11	down				
D86550	DYRK1A	down				
U49436	EIF5	down				

Table 6, cont'd

X51956	ENO2					up	up
L35594	ENPP2					down	down
L35594	ENPP2					down	down
D45421	ENPP2					down	down
AA977580	FACL3	down				up	up
D14838	FGF9						
L08485	GABRA5	down					down
AB020645	GLS	down	up				
X71973	GPX4					up	
X77748	GRM3	down				down	
J05459	GSTM3	down					
X92814	HRASLS3	down					up
L12723	HSPA4	down	down				
L15189	HSPA9B	up					
AI912041	HSPE1	down					down
X57830	HTR2A	down					
AB017563	IGSF4	up					
U96876	INSIG1	down					
X07979	ITGB1	down					
AL050126	LAP1B	down				down	
AF087693	LIN7A	down				down	
AL039458	LRIG1						up
M29273	MAG					up	
X76220	MAL	down				down	
X14474	MAPT	up					
M16279	MIC2	down					down
D14812	MRGX	down					
AI547258	MT2A	down				down	down
AF013570	MYH11	down				down	down
D10667	MYH11	down				down	down
D10667	MYH11	down				down	down
AF001548	MYH11	down				down	down
AF001548	MYH11	down				down	down
X77548	NCOA4	up				up	
U35139	NDN						down
AA203354	NDUFB3	down					
X73066	NME1	down					



Table 6 cont'd

X17620	NME1	down				
AL038662	NME1	down				
X58965	NME2	down				
M86707	NMT1	down				
U61849	NPTX1	down	down			down
A1198311	NPY					
U55258	NRCAM	down				
AB002341	NRCAM	down				
U55258	NRCAM	down				
U03985	NSF		down			
X75958	NTRK2		down			
L13385	PAFAH1B1	down				
U24152	PAK1	down				
U24152	PAK1	down				
U40370	PDE1A	up				
AB002345	PER2		down		down	down
V00572	PGK1	down				
M83088	PGM1					up
AF017786	PPAP2B	down				
M29551	PPP3CB	down			down	
X67951	PRDX1	down				
U29185	PRNP					up
D00760	PSMA2	down				
D26598	PSMB3	down				
D29011	PSMB5		up			
D44466	PSMD1			up		
AB009398	PSMD13	down				
M57399	PTN	down				
M57399	PTN	down				
Z48541	PTPRO		up			
M93426	PTPRZ1	down				
X63578	PVALB	down				up
U41654	RAGA	down				
U27768	RGS4	down			down	
D87735	RPL14	down			down	
Y00281	RPN1	down				up
M84711	RPS3A	down				down

*Table 6 cont'd*

L10333	RTN1	down	up			
M25756	SCG2	down			up	
AF049498	SCN2B			down		
AF054184	SEC61G			down		
Y00757	SGNE1	down				
AF007216	SLC4A4	down		down		
AF011390	SLC4A4	down		down		
D80000	SMC1L1			down		
AF053136	SNCB			up		up
AJ001183	SOX10					
AB018305	SPON1	down				
M32313	SRD5A1	up				down
AI636761	SST	down	up			down
J00306	SST	down	up			
X99325	STK25			down		
M31303	STMN1	down				up
U77942	STX7	down	down			
AF039945	SYNJ2	down				
D50495	TCEA2	up		up		down
X06956	TUBA1					
AI310002	UBE2D2	down				
J04973	UQCRC2	down				
D26068	WBSCR1	down				
M92843	ZFP36					up
AI095508		down		down		
AF070577		down				

Table 7a: AnCg BP Genetic Ontology

Genbank Accession No.	Gene Name	Description
		<b>26S proteasome</b>
D00762	PSMA3	<i>proteasome (prosome, macropain) subunit, alpha type, 3</i>
D44466	PSMD1	<i>proteasome (prosome, macropain) 26S subunit, non-ATPase, 1</i>
D00761	PSMB1	<i>proteasome (prosome, macropain) subunit, beta type, 1</i>
D38048	PSMB7	<i>proteasome (prosome, macropain) subunit, beta type, 7</i>
D78151	PSMD2	<i>proteasome (prosome, macropain) 26S subunit, non-ATPase, 2</i>
D29012	PSMB6	<i>proteasome (prosome, macropain) subunit, beta type, 6</i>
D38047	PSMD8	<i>proteasome (prosome, macropain) 26S subunit, non-ATPase, 8</i>
D26598	PSMB3	<i>proteasome (prosome, macropain) subunit, beta type, 3</i>
D26600	PSMB4	<i>proteasome (prosome, macropain) subunit, beta type, 4</i>
		<b>synaptic transmission</b>
X82068	GRIA3	<i>glutamate receptor, ionotropic, AMPA 3</i>
D11428	PMP22	<i>peripheral myelin protein 22</i>
A1636761	SST	<i>somatostatin</i>
AA126505	NCAM1	<i>neural cell adhesion molecule 1</i>
L10338	SCN1B	<i>sodium channel, voltage-gated, type I, beta polypeptide</i>
X81438	AMPH	<i>amphiphysin (Stiff-Man syndrome with breast cancer 128kDa autoantigen)</i>
M19650	CNP	<i>2',3'-cyclic nucleotide 3' phosphodiesterase</i>
L19058	GRIK1	<i>glutamate receptor, ionotropic, kainate 1</i>
A1198311	NPY	<i>neuropeptide Y</i>
U68485	BIN1	<i>bridging integrator 1</i>
M81886	GRIA1	<i>glutamate receptor, ionotropic, AMPA 1</i>
Z11695	MAPK1	<i>mitogen-activated protein kinase 1</i>
X77748	GRM3	<i>glutamate receptor, metabotropic 3</i>
AF052113	RAB14	<i>RAB14, member RAS oncogene family</i>
U40215	SYN2	<i>synapsin II</i>
U61849	NPTX1	<i>neuronal pentraxin I</i>
		<b>Chaperone</b>
J04988	HSPCB	<i>heat shock 90kDa protein 1, beta</i>
U12595	TRAP1	<i>heat shock protein 75</i>
L12723	HSPA4	<i>heat shock 70kDa protein 4</i>
L08069	DNAJA1	<i>DnaJ (Hsp40) homolog, subfamily A, member 1</i>
AL038340	CRYAB	<i>crystallin, alpha B</i>
AL038340	CRYAB	<i>crystallin, alpha B</i>

*Table 7a cont'd*

X02344	TUBB2	tubulin, beta, 2
AF026166	CCT2	chaperonin containing TCP1, subunit 2 (beta)
M63959	LRPAP1	low density lipoprotein receptor-related protein associated protein 1
L26336	HSPA2	heat shock 70kDa protein 2
AF026292	CCT7	chaperonin containing TCP1, subunit 7 (eta)
L08069	DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1
AA149486	COX17	COX17 homolog, cytochrome c oxidase assembly protein (yeast)
Y00371	HSPA8	heat shock 70kDa protein 8
X74801	CCT3	chaperonin containing TCP1, subunit 3 (gamma)
		tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein,
X56468	YWHAQ	theta polypeptide
U41816	PEDN4	prefoldin 4
L15189	HSPA9B	heat shock 70kDa protein 9B (mortalin-2)
L26336	HSPA2	heat shock 70kDa protein 2

Table 7b: AnCg MD: Genetic Ontology

Genbank Accession No.	Gene Name	Description
		transporter activity
T79616	UQCRB	ubiquinol-cytochrome c reductase binding protein
A1526089	COX5B	cytochrome c oxidase subunit Vb
AL049929	ATP6IP2	ATPase, H <sup>+</sup> transporting, lysosomal interacting protein 2
AF006621	C4orf1	chromosome 4 open reading frame 1
L09235	ATP6V1A1	ATPase, H <sup>+</sup> transporting, lysosomal 70kDa, V1 subunit A, isoform 1
M22760	COX5A	cytochrome c oxidase subunit Va
U01824	SLC1A2	solute carrier family 1 (glial high affinity glutamate transporter), member 2
N50520	COX7B	cytochrome c oxidase subunit VIIb
AF007216	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4
AF011390	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4
AA526497	UQCRH	ubiquinol-cytochrome c reductase hinge protein
AA845575	ATP5J	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit F6
X52947	GJA1	gap junction protein, alpha 1, 43kDa (connexin 43)
D26443	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3
AF053070	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa
X76228	ATP6V1E1	ATPase, H <sup>+</sup> transporting, lysosomal 31kDa, V1 subunit E isoform 1
X63575	ATP2B2	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2

Table 7c: DLPFC BP Genetic Ontology

Genbank Accession No.	Gene Name	Description
		hydrogen ion transporter activity
AA917672	ATP5L	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit g
AI526089	COX5B	cytochrome c oxidase subunit Vb
J04973	UQCRC2	ubiquinol-cytochrome c reductase core protein II
AF050640	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)
AL049929	ATP6IP2	ATPase, H+ transporting, lysosomal interacting protein 2
AF047181	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa
AF047436	ATP5J2	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2
D14710	ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1
U09813	ATP5G3	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9) isoform 3
N50520	COX7B	cytochrome c oxidase subunit VIIb
AF087135	ATP5H	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d
D89052	ATP6V0B	ATPase, H+ transporting, lysosomal 21kDa, V0 subunit c"
X76228	ATP6V1E1	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E isoform 1
	Chaperone	
U56833	VBP1	von Hippel-Lindau binding protein 1
L08069	DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1
AL038340	CRYAB	crystallin, alpha B
AL038340	CRYAB	crystallin, alpha B
X15183	HSPCA	heat shock 90kDa protein 1, alpha
X56468	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide
L24804	TEBP	inactive progesterone receptor, 23 kD
W28616	HSPCB	heat shock 90kDa protein 1, beta
D49738	CKAP1	cytoskeleton-associated protein 1
AF026166	CCT2	chaperonin containing TCP1, subunit 2 (beta)
M63959	LRPAP1	low density lipoprotein receptor-related protein associated protein 1
X87949	HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
L26336	HSPA2	heat shock 70kDa protein 2
M22382	HSPD1	heat shock 60kDa protein 1 (chaperonin)
L08069	DNAJA1	DnaJ (Hsp40) homolog, subfamily A, member 1
AF035316	TUBB	tubulin, beta polypeptide
AI912041	HSPE1	heat shock 10kDa protein 1 (chaperonin 10)
Y00371	HSPA8	heat shock 70kDa protein 8
X74801	CCT3	chaperonin containing TCP1, subunit 3 (gamma)

Table 7c cont'd

X56468	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide
W29042	CIA30	CGI-65 protein
L15189	HSPA9B	heat shock 70kDa protein 9B (mortalin-2)
		<b>OXPLOS</b>
X71490	ATP6V0D1	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d isoform 1
D14710	ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle
U09813	ATP5G3	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9) isoform 3
AF087135	ATP5H	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d
AA845575	ATP5J	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6
AF047436	ATP5J2	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2
AA917672	ATP5L	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit g
X83218	ATP5O	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit
D89052	ATP6V0B	ATPase, H+ transporting, lysosomal 21kDa, V0 subunit c"
AA056747	ATP6V1A1	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A
X76228	ATP6V1E1	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E isoform 1
AI526089	COX5B	cytochrome c oxidase subunit Vb
N50520	COX7B	cytochrome c oxidase subunit VIIb
AC002400	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa
AA203354	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa
AF047181	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa
AF050640	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)
J04973	UQCRC2	ubiquinol-cytochrome c reductase core protein II
L32977	UQCRCF1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1
U17886	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)

Table 7d: DLPFC MD Genetic Ontology

Genbank Accession No.	Gene Name	Description
		transmission of nerve impulse
D11428	PMP22	peripheral myelin protein 22
AF049498	SCN2B	sodium channel, voltage-gated, type II, beta polypeptide
M82919	GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3
X59834	GLUL	glutamate-ammonia ligase (glutamine synthase)
X81438	AMPH	amphiphysin (Stiff-Man syndrome with breast cancer 128kDa autoantigen)
		proteolipid protein 1 (Pelizaeus-Merzbacher disease, spastic paraplegia 2, uncomplicated)
M54927	PLP1	
Z11695	MAPK1	mitogen-activated protein kinase 1
U01824	SLC1A2	solute carrier family 1 (glial high affinity glutamate transporter), member 2
M32886	SRI	sorcin
U40215	SYN2	synapsin II
X15376	GABRG2	gamma-aminobutyric acid (GABA) A receptor, gamma 2
D26443	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3
X68194	SYPL	synaptophysin-like protein
U61849	NPTX1	neuronal pentraxin I
		neurogenesis
D11428	PMP22	peripheral myelin protein 22
U30930	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)
W28770	NP25	neuronal protein
		proteolipid protein 1 (Pelizaeus-Merzbacher disease, spastic paraplegia 2, uncomplicated)
M54927	PLP1	
D83017	NELL1	NEL-like 1 (chicken)
U34846	AQP4	aquaporin 4
Z70276	FGF12	fibroblast growth factor 12
M80899	AHNAK	AHNAK nucleoprotein (desmoyokin)
M57399	PTN	pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1)
AF016004	GPM6B	glycoprotein M6B
X70326	MLP	MARCKS-like protein
AF036268	SH3GL2	SH3-domain GRB2-like 2
M93426	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1
U61849	NPTX1	neuronal pentraxin I
M93650	PAX6	paired box gene 6 (aniridia, keratitis)



Table 7d cont'd

		phosphoric ester hydrolase activity
X55740	NT5E	5'-nucleotidase, ecto (CD73)
AF001601	PON2	paraoxonase 2
X68277	DUSP1	dual specificity phosphatase 1
L35594	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)
AB013382	DUSP6	dual specificity phosphatase 6
L05147	DUSP3	dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related)
Z48541	PTPRO	protein tyrosine phosphatase, receptor type, O
N36638	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C
AJ001612	PSPHL	phosphoserine phosphatase-like
AF017786	PPAP2B	phosphatidic acid phosphatase type 2B
U60644	PLD3	phospholipase D3
AF056490	PDE8A	phosphodiesterase 8A
M93426	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1

Table 8: Selected Potential Druggable Targets

Genbank Accession No.	Gene Name	Target category	Description
AB020629	ABCA8	transporter	ATP-binding cassette, sub-family A (ABC1), member 8
X63575	ATP2B2	transporter	ATPase, Ca++ transporting, plasma membrane 2
X71490	ATP6V0D1	transporter	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d isoform 1
S74445	CRABP1	transporter	cellular retinoic acid binding protein 1
M34309	ERBB3	tyrosine kinase receptor	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
M80634	FGFR2	tyrosine kinase receptor	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)
M64347	FGFR3	tyrosine kinase receptor	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)
AC004131	GPRC5B	GPCR	G protein-coupled receptor, family C, group 5, member B
		ligand for cell adhesion	
X77196	LAMP2	molecule	lysosomal-associated membrane protein 2
U37122	ADD3	regulator of kinase	adducin 3 (gamma)
U66879	BAD	regulator of protease	BCL2-antagonist of cell death
AB007943	RAP1GA1	regulator of kinase	RAP1, GTPase activating protein 1
AF060877	RGS20	regulator of GTPase	regulator of G-protein signalling 20
AL049538	RIN2	regulator of GTPase	Ras and Rab interactor 2
		regulator of protein degradation	
U58334	TP53BP2	regulator of enzyme	tumor protein p53 binding protein, 2
U28964	YWHAZ	kinase	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
J04046	CALM3	kinase	calmodulin 3 (phosphorylase kinase, delta)
AF112471	CAMK2B	kinase	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta
D50310	CCNI	regulator of kinase	cyclin I
U37143	CYP2J2	monooxygenase	cytochrome P450, family 2, subfamily J, polypeptide 2

Table 8, cont'd

AB006626	HDAC4	enzyme	histone deacetylase 4
X57206	ITPKB	kinase	inositol 1,4,5-trisphosphate 3-kinase B
M12267	OAT	enzyme	ornithine aminotransferase (gyrate atrophy)
Y10275	PSPH	enzyme	phosphoserine phosphatase
AJ001612	PSPHL	enzyme	phosphoserine phosphatase-like
AL080061	CLIC4	channel	chloride intracellular channel 4
L08485	GABRA5	channel	gamma-aminobutyric acid (GABA) A receptor, alpha 5
AF016917	GABRD	channel	gamma-aminobutyric acid (GABA) A receptor, delta
L19182	IGFBP7	regulator of receptor ligand	insulin-like growth factor binding protein 7
M29273	MAG	myelination	myelin associated glycoprotein
X76220	MAL	myelination	mal, T-cell differentiation protein
Z24725	MIG2	signal transduction	mitogen inducible 2
AB018342	MYO10	partner for calmodulin-like protein	myosin X
AB018305	SPON1	axon growth guidance	spondin 1, (f-spondin) extracellular matrix protein